ثبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومـــات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون آية تغيرات

يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %

بعض الوثائق الأصلية تالفة

بالرسالة صفحات

لم ترد بالأصـــل

Teratogenicity of sodium valproate used in the organogenic and the post-organogenic gestational periods in the twenty day fetus albino rats

Thesis

SUBMITTED FOR PARTIAL FULFILLMENT
OF THE MASTER DEGREE IN ANATOMY
FACULTY OF MEDICINE
SUEZ CANAL UNIVERSITY

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Cherif Maurice khalil

2002

Dedication

This work is dedicated to my

parents

Who gave too much

and

received too little

Abstract

The present study aimed to determine the teratogenic effects of prenatal valproate treatment administered in the organogenic and postorganogenic periods in different doses on 20 day fetuses albino rats.

Forty-eight virgin female albino rats were used. Once pregnancy is confirmed, the animals were randomly assigned to two classes A: was treated in the period from day 6 through day 9 of gestation. Class B: from day 15 through day 19. Each class formed of 24 dames which divided into 4 groups.

Animals were sacrificed on gestational day 20. The fetuses and their placentas were weighted. Fetuses were examined by dissecting microscope and histological sections.

The result revealed that: valproate was teratogenic. It affected mainly placental weight. It caused fetal growth retardation and short lengths of the ossified bones of the forelimb and hind limbs. The ossification of the skeletal system was delayed, absent or incomplete. Some fetuses had internal hemorrhage, external petechial hemorrhage.

These findings in rat fetuses of high dose valproate group of pregnant rats from 6 to 9 day of gestation were more marked than in the fetuses of the other groups.